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CMCC Doc. No. 151X5.1161

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25 June 1958

DPS 2113  
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Dear Dan:

During the R&D period of evaluation of System 4, [ ] requested a complete redesign of the antenna layout on the rack to provide improved directivity patterns. After completing this redesign, we found that a serious cross-talk situation existed between Bands 2 and 3. To overcome this problem, we inserted a special broadband amplifier at the input of Band 2. In addition to eliminating the cross-talk problem, this amplifier increased the antenna sensitivity, and thus the over-all System performance.

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Our proposed solution of the cross-talk problem was shown to Jim recently. He was pleased with the increased System sensitivity and recommended the incorporation of this special broadband amplifier into all System 4's.

We are forwarding this proposal to cover the costs of preparing the specifications for this amplifier and for the procurement, testing and installation of seven broadband amplifiers. We have already completed this work on Serial Numbers 101 through 104 and amplifiers will be installed in Serial Numbers 105 through 107 as they are produced. These changes will not affect present delivery schedules.

The estimated cost of accomplishing this work is [ ] and the fixed fee of [ ] computed on this amount is [ ]. The total estimated cost including fee is [ ]. No new contract funding will be required to cover this proposal.

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Sincerely,



Dean

Enclosures:

Copy 1-3 of CMCC Document No. 1132X5.222

cc: J. L. W. - AGO

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DOCUMENT NO.

NO CHANGE IN CLASS. X

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